

Title (en)

CURRENT MEASURING RESISTOR AND ASSOCIATED PRODUCTION METHOD

Title (de)

STROMMESSWIDERSTAND UND ZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)

RÉSISTANCE DE MESURE DU COURANT ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication

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Application

**EP 18768812 A 20180904**

Priority

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Abstract (en)

[origin: WO2020048584A1] The invention relates to a current measuring resistor (1) for measuring an electrical current, in particular in the kA range, in a high-voltage network. The current measuring resistor (1) according to the invention comprises two connection parts (2, 3) for conducting the electrical current in and out and a resistance element (4) made of a low-impedance resistive material. The resistance element (4) is arranged between the two connection parts (2, 3) in the direction of current flow and is joined to the two connection parts (2, 3), such that the electrical current to be measured flows through the resistance element (4) during operation and produces a voltage drop across the resistance element (4). According to the invention, the connection parts (2, 3) and the resistance element (4) each have a substantially round cross section, in particular a substantially circular cross section, in a section plane perpendicular to the direction of current flow of the electrical current.

IPC 8 full level

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